



PPP Installation Guide (Windows 95)

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1 Introduction

Due to the rapid expansion of the Kentucky State Government Network, Kentucky State Government computer users are able to connect to the Mainframe from many remote locations. DIS now offers this service to State Government Agencies and employees. PPP software (Point-to-Point Protocol) is used for connecting to the Kentucky State Government network using a dial-up line and a modem. This document will guide you through installation and connection.

2 What You Need

There are some basic requirements that need to be met before you can consider installing the PPP

software and then connect to the Internet. The minimal requirements are as follows.

- A PPP account
- 80486 or higher CPU
- 5MB free disk space
- Windows 95 (With Service Pack 1 installed).
- 8 MB memory
- 14.4 modem or higher

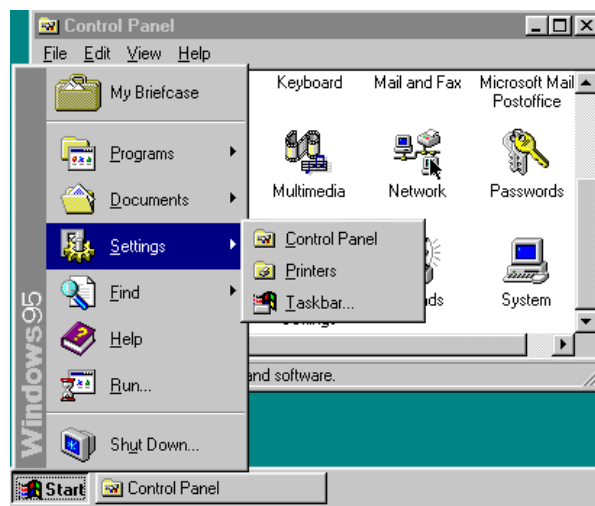
3 Getting the Software and Account

The PPP software is provided on the Windows 95 distribution CD. Call your local LAN administrator with questions or problems. If the LAN administrator has problems they can call the DIS Help Desk at (502) 564-7576.

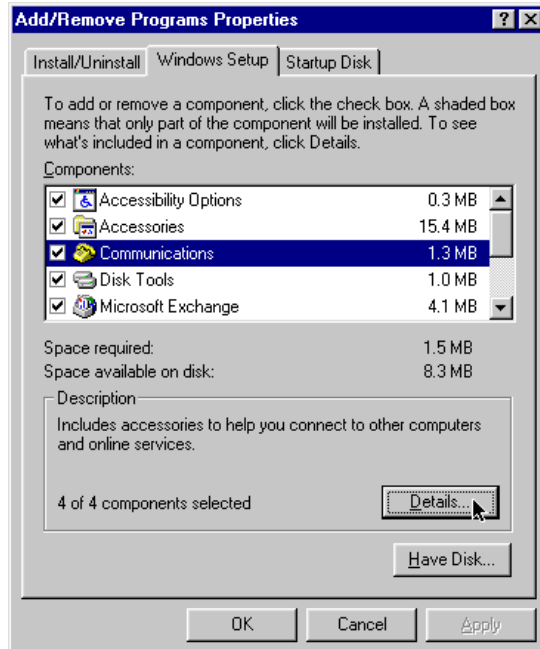
4 Installing the PPP Software

This section will guide you through the installation of all PPP software. It is likely that most or all components are already installed on your machine.

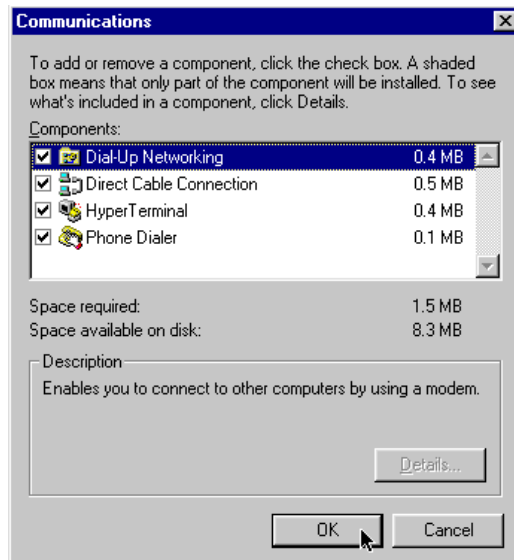
- **4.1 Check for "Dial-Up Networking"**
 - Open "My Computer"
 - If "Dial-Up Networking" is not listed, proceed. Otherwise, skip to [section 4.2](#)
 - Open the "Add/Remove Programs" control panel (My Computer/Control Panel)



- Select the "Windows Setup" tab
- Highlight "Communications" and make sure the box is checked
- Select "Details"



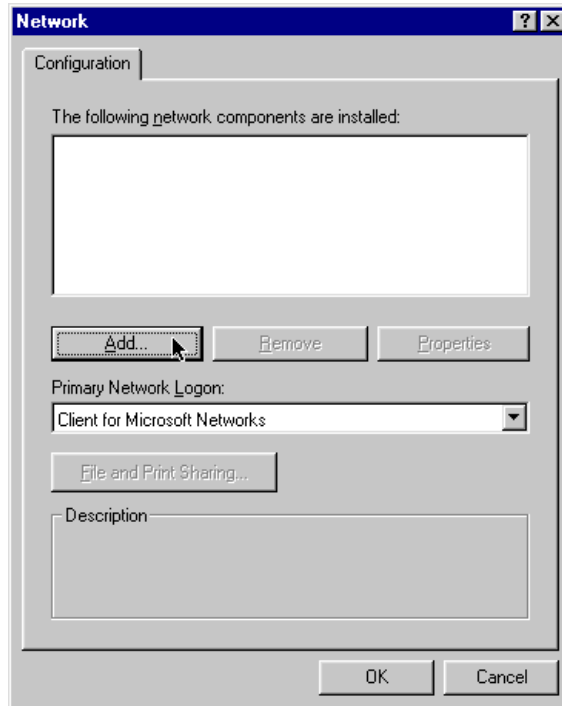
- If the box next to "Dial-Up Networking" is already checked, skip to [section 4.2](#). Otherwise, check the box.



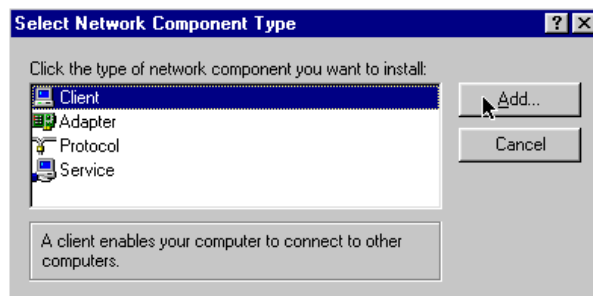
- **4.2 Check for "Client for Microsoft Networks"**

- Open "My Computer", Click on "Control Panel", Select "Network".

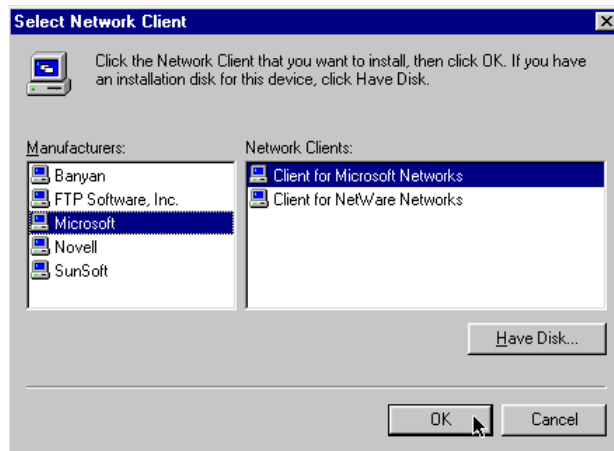
If "Client for Microsoft Networks" is listed, skip to [section 4.3](#)



- Select "Add"
- Highlight "Client" and then select "Add"



- Select "Microsoft" in the left window and "Client for Microsoft Networks" in the right window
- Click OK

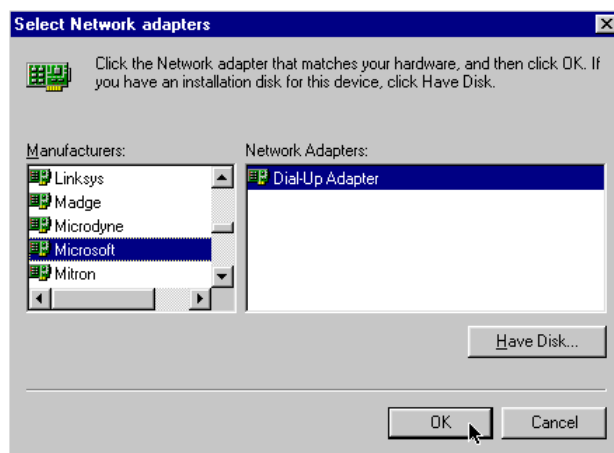


- If you will be using **NOVELL** then return to the top of this page and substitute Novell and Client for NetWare Networks for Microsoft and Client for Microsoft Networks.

- **4.3** Check for "Dial-Up Adapter"

If "Dial-Up Adapter" is listed, skip to [section 4.4](#)

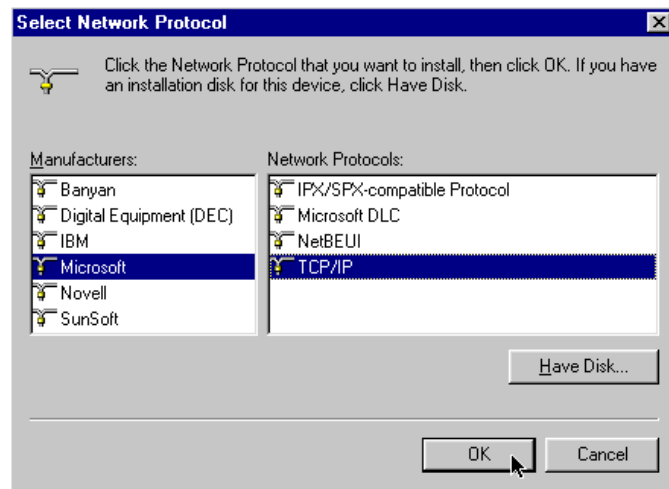
- Select "Add"
- Select "Adapter" and then "Add"
- Select "Microsoft" in the left window and "Dial-Up Adapter" in the the right window
- Click OK



- **4.4** Check for "TCP/IP"

If "TCP/IP Dial-up Adapter" is listed, skip to [section 4.5](#)

- Select "Add"
- Select "Protocol" and then "Add"
- Select "Microsoft" from the left window and "TCP/IP" from the right window
- Click OK



- Return to "Network" and highlight "TCP/IP". Select the "Properties" button.
- Select the "WINS Configuration tab".
- Select "Enable WINS Resolution" and enter WINS IP numbers as shown.

The screenshot shows the "TCP/IP Properties" dialog box with the "WINS Configuration" tab selected. The dialog has a yellow title bar and several tabs: "Bindings", "Advanced", "DNS Configuration", "Gateway", "WINS Configuration", and "IP Address". The "WINS Configuration" tab is active, displaying instructions to contact a network administrator and two radio button options: "Disable WINS Resolution" and "Enable WINS Resolution:". The "Enable WINS Resolution:" option is selected. Below this, there are text boxes for "Primary WINS Server" (containing "162.114.131.2"), "Secondary WINS Server" (containing "162.114.192.70"), and "Scope ID" (which is empty). At the bottom, there is a radio button for "Use DHCP for WINS Resolution" and "OK" and "Cancel" buttons.

TCP/IP Properties

Bindings | Advanced | DNS Configuration
Gateway | **WINS Configuration** | IP Address

Contact your network administrator to find out if you need to configure your computer for WINS.

☐ Disable WINS Resolution

☒ **Enable WINS Resolution:**

Primary WINS Server:

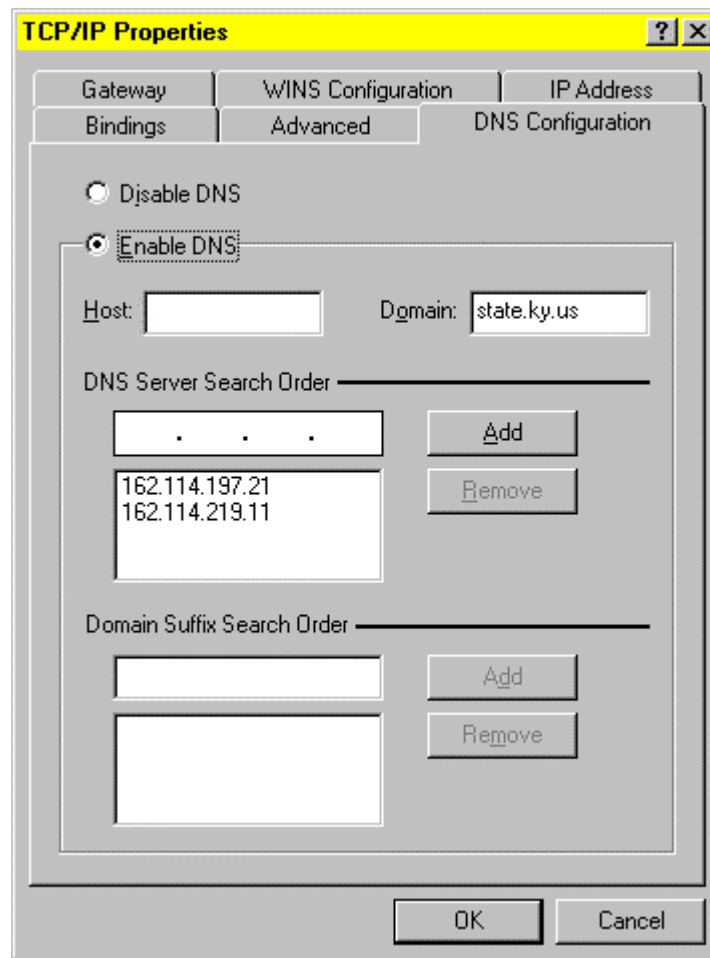
Secondary WINS Server:

Scope ID:

☐ Use DHCP for WINS Resolution

OK Cancel

- Select the "DNS Configuration tab".
- Select "Enable DNS"
- In the "Host" box enter the name you gave your computer.
- In the "Domain" box enter " state.ky.us.
- Enter each IP number in the first box under "DNS Server Search Order" and select the "Add" button for each one.



- **4.5** Configure for NT domain if needed.

Go back to network and select "Identification".

- In the "Computer Name" box enter a UNIQUE name.

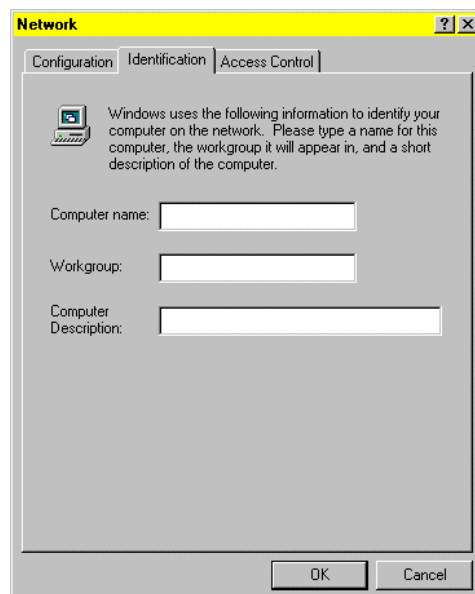
It must be unique and cannot be the same name as your work workstation.

- In the "Workgroup" box you must enter the Domain that you log into.

Please contact your administrator for assistance with this.

- In the "Computer Description" box enter a description.

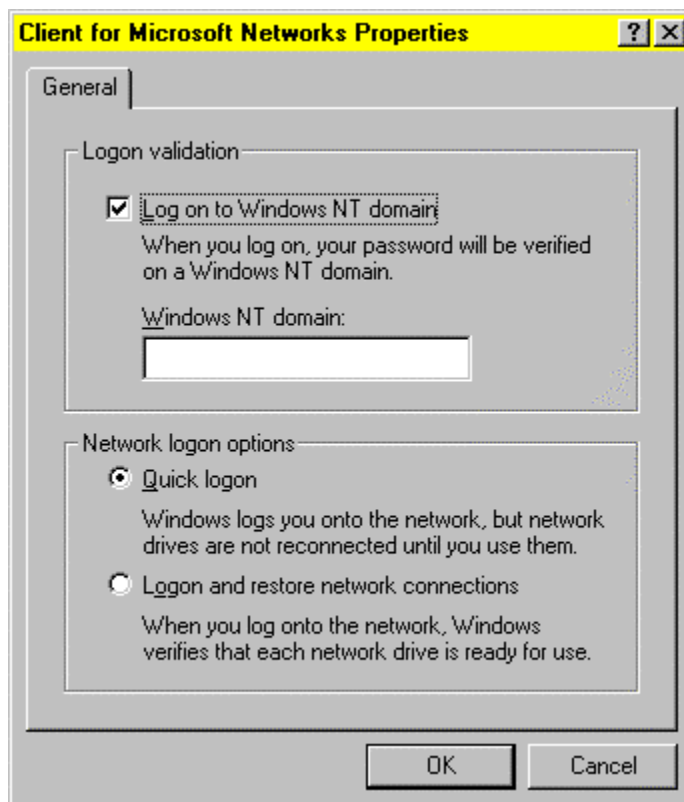
Ex: John Does Computer



- Click OK. And return to the configuration dialog.

- Highlight "Client for Microsoft Networks" and select "Properties".
- Check the "Log on to Windows NT domain" box.
- In the "Windows NT domain" window type your NT domain name.

If you need help with this contact your system administrator.



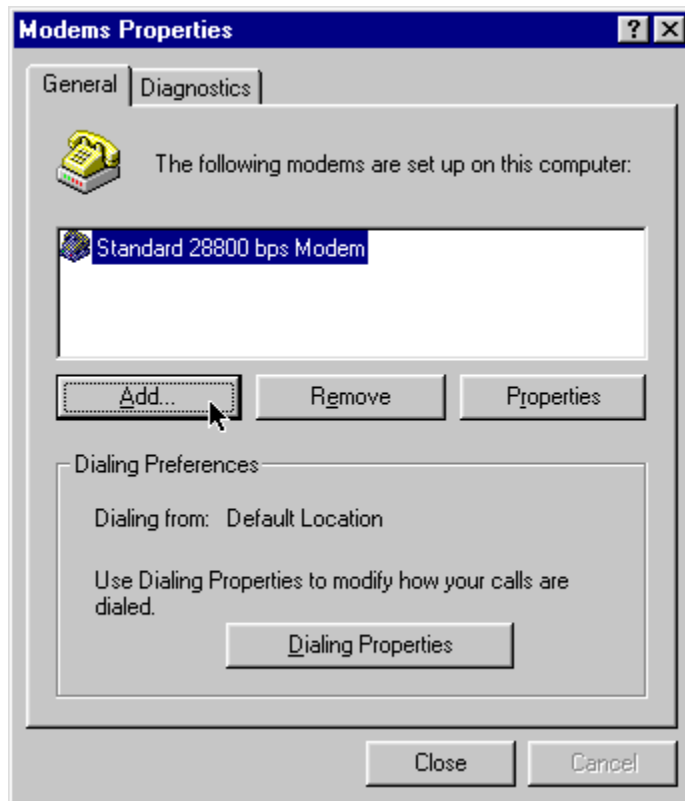
- **4.6 Finish Configuration**

If you added any of the above, have your Windows 95 CD ready

- Select "Windows Logon" under "Primary Network Logon:"
- Click OK
- Select "Yes" when asked to restart

- **4.7 Verify Modem**

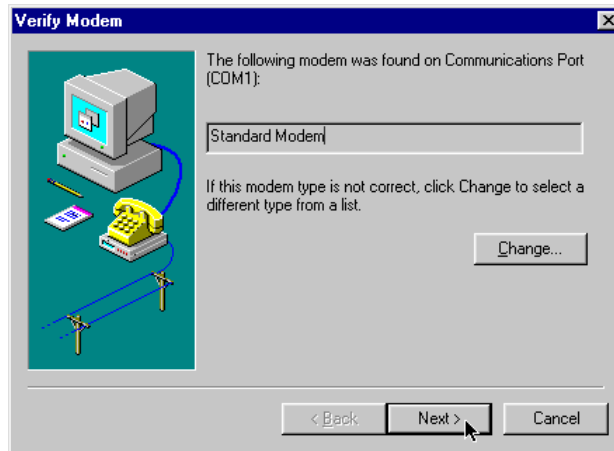
- Open the "Modems" control panel



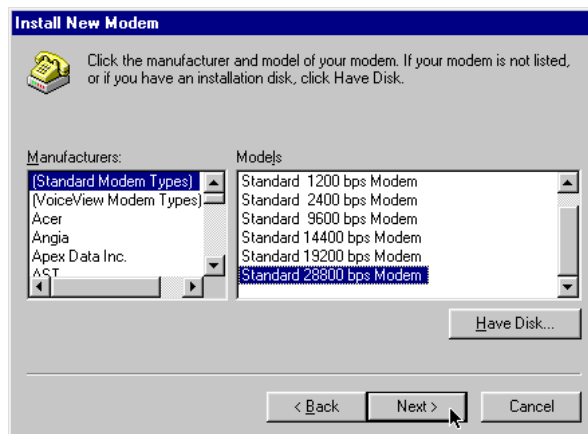
If your modem is already listed, select "Close" and skip to [section 4.8](#)

- Select "Add" and then "Next"

Windows 95 will attempt to detect your modem. If this is successful, select "Next", "Finish" and then skip to [section 4.8](#)



- At this point, Windows couldn't detect your modem so we'll try manually. Select "Next" and check the box next to "Don't detect my modem" and then select "Next"
- Select your modem from the list. You can also select one of the "Standard xxxxx bps Modem" (where xxxxx is the speed of your modem (14400, 28800, etc.)



- Select "Next" and select the correct COM port that your modem is attached to and select "Next"
- Select "Finish"

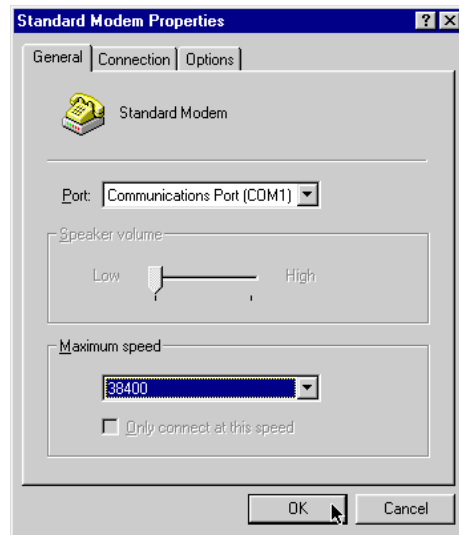
• 4.8 Configure Modem

- Select "Dialing Properties"
- Enter your area code, etc. and select OK when done
- Select "Close"

- **4.9 Create PPP Connection**

This section will result in a shortcut being created that will connect your computer to the Kentucky Network using PPP. After completing these instructions, you can use this shortcut to connect again simply by double clicking on it.

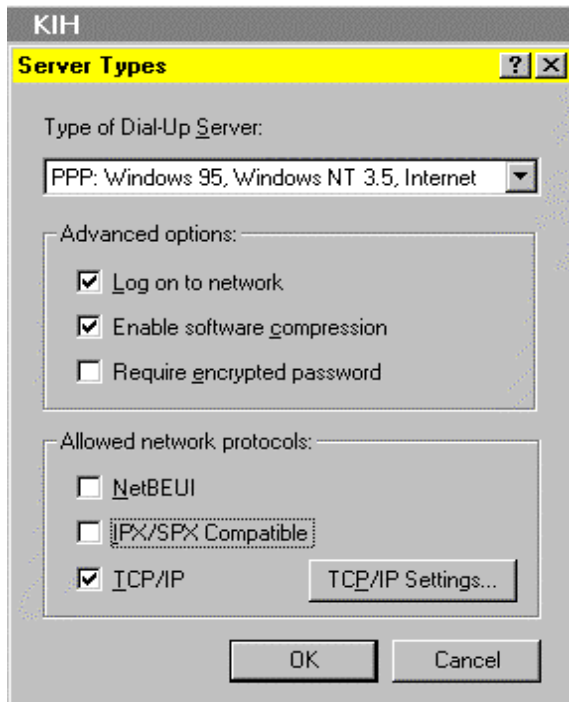
- Close and reopen "My Computer"
- Open "Dial-Up Networking"
- Open "Make New Connection"
- Enter "KIH" or whatever you want to call it in the "name for the computer"
- Select a modem from the menu (i.e. the one you just configured)
- Select "Configure"
- Set the speed to 19200 (for 14.4 modem) or 38400 (for 28.8 modem)



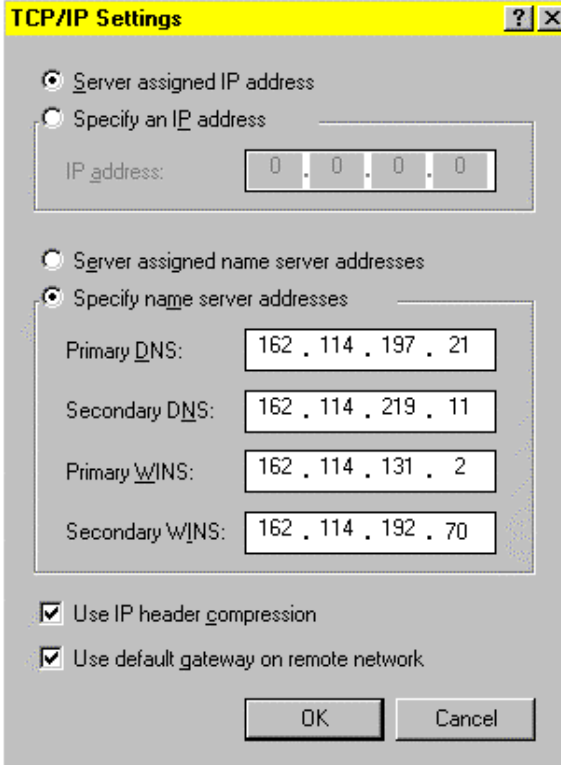
- Click OK
- Select "Next"
- Enter "502" for "Area code:" and one of the following for "Telephone number:"
 - 875-9495
 - Select "Next" and then "Finish"

- **4.10 Connect to KIH**

- Highlight "KIH" and select "Properties" from the "File" menu
- Click on "Server Type"
- Under "Advanced Options" check "Log on to network" and "Enable software compression".
- Under "Allowed network protocols" check "TCP/IP" only.
- Click "TCP/IP Settings"



- Enter IP Numbers as listed in the following screen
- Click OK until you are out.



The image shows a 'TCP/IP Settings' dialog box with a yellow title bar. It contains two radio button options for IP address assignment. The first option, 'Server assigned IP address', is selected. The second option, 'Specify an IP address', is unselected and has a text input field below it showing '0 . 0 . 0 . 0'. Below these are two more radio button options for name server addresses. The first option, 'Server assigned name server addresses', is unselected. The second option, 'Specify name server addresses', is selected and has four text input fields below it: 'Primary DNS' (162 . 114 . 197 . 21), 'Secondary DNS' (162 . 114 . 219 . 11), 'Primary WINS' (162 . 114 . 131 . 2), and 'Secondary WINS' (162 . 114 . 192 . 70). At the bottom, there are two checked checkboxes: 'Use IP header compression' and 'Use default gateway on remote network'. The dialog box has 'OK' and 'Cancel' buttons at the bottom right.

TCP/IP Settings

☒ Server assigned IP address

☐ Specify an IP address

IP address: 0 . 0 . 0 . 0

☐ Server assigned name server addresses

☒ Specify name server addresses

Primary DNS: 162 . 114 . 197 . 21

Secondary DNS: 162 . 114 . 219 . 11

Primary WINS: 162 . 114 . 131 . 2

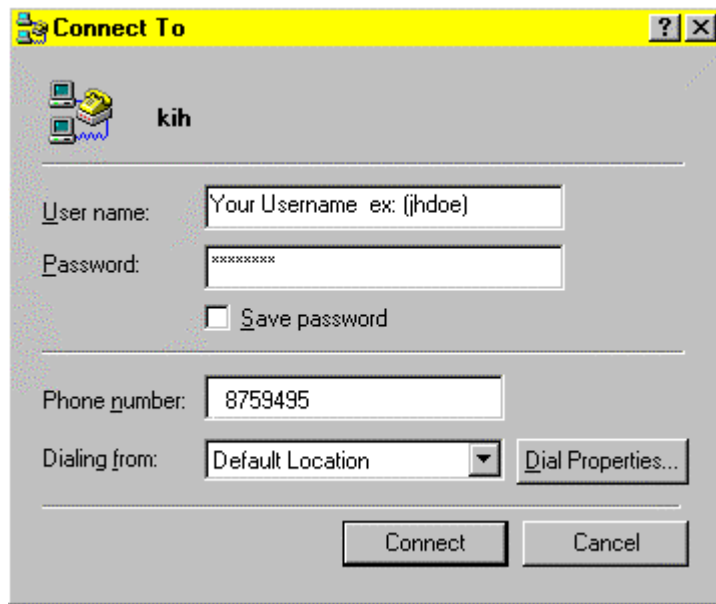
Secondary WINS: 162 . 114 . 192 . 70

☒ Use IP header compression

☒ Use default gateway on remote network

OK Cancel

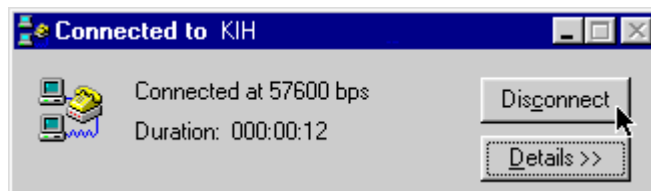
- Open the newly created Icon and enter your PPP username/password



Note: Your PPP username/password are not the same as your Institutional/Instructional username/password.

- Select "Connect"

You will now be connected to the Kentucky network via PPP. You should see a pop up window stating "Connected to KIH...". If you do not, verify you have done all steps properly and then try again. If after this you still don't get connected, contact your local administrator for assistance.



- **4.11** Disconnecting from KIH
 - Select the "Disconnect" button from the "Connected to..." pop up window

5 (Optional) Changing Basic Settings

- **5.1** Changing the KIH PPP Phone Number and/or Modem
 - Open "My Computer"
 - Open "Dial Up Networking"
 - Highlight "KIH"
 - Press the right mouse button and select "Properties"
 - Change the "Area code", "Telephone number" and "Connect to" (modem) values as needed
 - Click OK when done

- **5.2** Changing the Username and/or Password
 - Double click on "KIH"
 - Uncheck "Save password"
 - Change the username and password as needed
 - Check "Save password"
 - Select "Connect"

Note: you must connect for the change to be permanent